



Indo - Asian Journal of Multidisciplinary Research (IAJMR) ISSN: 2454-1370

TECHIES' FANTASY - REPLICA OF THE EARTH...!

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Techies' Fantasy - Replica of the Earth...!

"Necessity is the mother of invention

Curiosity is the father of creation

The blend of both is my innovation."

As Mahatma Gandiji said, "Earth provides enough to satisfy everyman's need but not enough for any man's greed." The perished the charm of earth with the saw of man's meaningless and endless greed might be the reason for the search and the research of the alternative source for the human's existence. So his fire and burning desire increased with ceaseless curiosity lead him into the outer world. There is a prerequisite to originate an incredible innovative abode for the survival of human beings since the earth is being suffocated by the global warming, pollution and over population. In a distant future the earth may not be in a situation to provide accommodation for many people since it is being deteriorated by mankind. Thus in this paper I would like to throw light on the projects done by the emerging technocrats of IIIT, Nuzvid, Krishna Dt., Andhra Pradesh, India for the contest conducted by NASA Space settlement contest. They have taken it as a challenge to establish a new world and got the student achievement award certificates in this contest. This contest has become a great launching pad to fire one's innovative ideas. So my Techies' Fantasy is all about IIITians' interest on NASA Space Settlement Contest and their projects in a nut shell. 'Techies' Fantasy is just an attempt to bring out and to encourage the inborn hidden talents of the rural empowering youth in AP IIITs.

"Learning gives creativity

Creativity leads to thinking

Thinking provides knowledge

Knowledge makes us great."

- APJ Abdul Kalam

'Learning by Doing' is the teaching method that has been adopted by IIIT in which each student is equipped with laptop in a class of fifty. It is like a digital and technologically advanced class room. I am proud to name it as a 'Techno Paradise' in which 8000 meritorious rural empowering youth are being well nurtured by the advanced teaching aids. This kind of environment might be the reason for the students' creation of scientific fictitious castles for the survival of human beings which is resulted into a separate world of Techies' Fantasy. I am privileged to share the wealth of knowledge of my budding technocrats.

Being inspired by the lines "If you die without imparting your knowledge to the society, you will be considered as a despicable miser", I tried my best to inculcate the interest among the students about the space, its research and NASA contest. NASA conducts Space Settlement Contest every year which is open to students worldwide where designs of Space Colonies or Space Settlements are provided by the students which should be complete in all aspects; they should not be temporary makeshift camps in space and must be permanent colonies, which are self sufficient in the long run.

The words "No matter where you were from what you are will decide where you will be" have been proved by the stupendous achievement of IIITians. The pioneer who had

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Received: 03.04.2015; Revised: 28.04.2015;

Accepted: 05.05.2015.



sown the seed in IIIT is a girl **Sai Sree** in 2010. And she named her project as **"Padmavyuha"**. This debut venture has given an everlasting enthusiasm and towering inspiration to the emerging technocrats. In the year 2011 another girl **Kusuma Priya**, with her project **"Dream Paradise"**, transported recognition to the university once again and with this towering inspiration juniors have been amazing all with their works. In 2012, 10 students of which 7 are girls with 6 projects created history in Andhra Pradesh. The project names are as follows: **The Saga, Sanctorum, Vega, Arena, Trishanku Swarga, and Google: The world of Bliss**. And once again my students have hoisted the pride of our nation by their pioneering ideas of space settlements i.e., designing an epitome of artificial earth in NASA space settlement contest- 2103. It's not exaggeration that my students have brought the glory with 15 out of 21 projects from Andhra Pradesh. It is exciting that 33 out of 44 students are girls despite they are of 50% in academic ratio. The fabulous achievement of these girls is an icon that they are no weaker. Girls have creating their own world of opportunities defeating boys, standing bold and striking all the hurdles. The project names are as follows: **Titan: the Dream World, Amaranthos: an Unfading Flower, Akron, Garuda: Swayer of the Space, MAGMA, Titan: A Nestle in the Future, Divoucas, Sudarsana Chakra, Athena: 2013, Kosala: the Ideal Kingdom, Zorya: the Morning Star, SOL: The Sole Stay, Atman and Indraprastha**.

The fragrance of this tremendous talent had floored overseas and recognized by prestigious NASA and were invited to present their novel and creative thoughts on international stage before great scientists, astronauts, and delegates. But the first two girls could not make it successful during the first 2 years due to the barriers of poverty and some technical problems in attaining passport and visa. But for the first time in the year 2012, three students (K Kusuma Priya, S Krishna Bhavana and K Akil Raj Kumar) attended

International Space Development Conference (ISDC 31st) held at Washington DC.

The following Students attended and participated in International Space Development Conference (ISDC 32nd) held at San Diego, California (May 23rd to May 27^h) in NASA Space Settlement Contest – 2013: **Titan: The Dream World** by Battula Lakshmi Prasanna, **Amaranthos** by D. Soundarya and Y. Bhavani Devi, **Akron** by S Krishna Bhavana and K Akil Raj Kumar, **Garuda** by M Yamini Priya, **MAGMA** by M Bhargavi and S Lakshmi Lavanya, **Titan: A Nestle in the Future** by S Padmasri and M Hemalatha, **Divoucas** by K Suma Deepthi, **SOL – The Sole Stay** by R Bhargavi and **Indraprastha** by Sowmya, Nikhila, Preethi and Sai Susmitha.

"The most memorable moment at ISDC 2013 was on 24th May 2013. Our faces cherished with joy and pearled with smile to see our **former president and legend in Indian Space Research, Dr.A.P.J Abdul Kalam**, the recipient of the National Space Society's prestigious **WERNHER VON BRAUN MEMORIAL AWARD** at ISDC 2013," Budding Young Minds said to the Hindu after their return from ISDC. Some projects from the above mentioned are discussed below in a nut shell.

TITAN: A Nestle in Future is abbreviated as the Treasure of Innovative Technocrats and Novice. TITAN: The sun is worshipped by many ancient people and treated as the basis for survival, rising glory in the morning, climbing the apex of the sky, burning brilliance of gases, fascinating furnace that feast the entire universe with its warmth and light. Titan provides all the necessary living conditions, facilities and makes the human life blissful. It is highly automated with recent technologies like Magnetic levitation for transportation, Aeroponics and Hydroponics for cultivation, Czochralski technique, Zone refining, Ribbon growth for solar cell construction etc. Titan is provided with safe and secure environment and the atmosphere of the earth is maintained.



Akron is originally a Greek word with the meaning 'the superior of the superiors'. It symbolizes knowledge, ethnic traditions, extreme athleticism, courage and many heroic qualities. It prevailed as acronym for dominance. As Akron is the achievement of mankind occupying the pinnacle wonderful space settlement is christened as Akron representing its significance and dominance.

Indraprastha is another design where all the necessities are carefully thought of and designed to cater the needs of all ages. Transportation and communication systems make this unique in itself, the structural design

aims at uninterrupted power supply to the settlement as dual power stations are designed in the form of solar stations as well as nuclear plants, far from residential colonies.

In the project **Titan: the Dream World** the use of hydrogen powered vehicles, computer controlled mini vehicles, and space elevators would give lot of excitement to people. **Amaranthos** is a mirror image of earth created in the endless universe. It gives place to live and provide all the needs for human beings without any shortage. Pollution free environment will be given o all organisms by this fragrant unfading flower Amaranthos.



**International Space Development Conference (ISDC 32nd) held at San Diego, California
(May 23rd to May 27h, 2013)**

“Cherish your visions and your dreams as they are the children of your soul, the blue prints of your ultimate achievements” - Napoleon

It's in fact a proud moment for me to share the **achievements of my budding technocrats with you all. Receiving the most prestigious certificate “STUDENT ACHIEVEMENT AWARD” is a**

pertinacious moment throughout their lives. Being the mentor of these projects, I received Teacher ACHIEVEMENT AWARD.

References

All the selected projects for the NASA Space Settlement Contest

